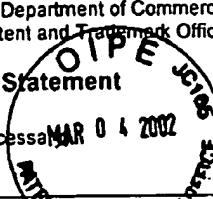















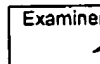
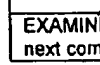

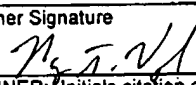


Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office 	Attorney's Docket No. 06286-292001	Application No. 09/925,824
		Applicant Christopher K. Murphy	
		Filing Date August 9, 2001	Group Art Unit 1615

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

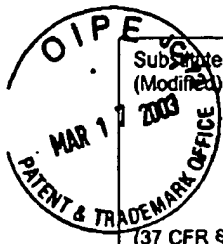
Other Documents (include Author, Title, Date, and Place of Publication)		
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	AC	Bock <i>et al.</i> , "A Simple and Rapid..." <i>Analytical Biochemistry</i> 86 :238-251, 1978. ✓
	AD	Bognar <i>et al.</i> , "Folylpoly-γ-glutamate Synthetase-Dihydrofolate..." <i>The Journal of Biological Chemistry</i> 260 (9):5625-5630, 1985. ✓
	AE	Cronan <i>et al.</i> , "Genetic and Biochemical ..." <i>Journal of Bacteriology</i> 149 (3):916-922, 1982. ✓
	AF	De Saizieu <i>et al.</i> , "Enzymic characterization of..." <i>Biochem. J.</i> 306 (Pt2):371-337, 1995. ✓
	AG	Hennig <i>et al.</i> , "Crystal structure and..." <i>Nature Structural Biology</i> 5 :357-362, 1998. ✓
	AH	Herrington <i>et al.</i> , "Measurement of the Uptake of Radioactive..." <i>Analytical Biochemistry</i> 216 :427-430, 1994. ✓
	AI	Huovinen "Increases in Rates..." <i>Clinical Infectious Diseases</i> 24 (Suppl 1):S63-6, 1997. ✓
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	AP	Slock <i>et al.</i> , "An Apparent <i>Bacillus</i> ..." <i>Journal of Bacteriology</i> 172 (12):7211-7226, 1990. ✓
	AQ	Swedberg <i>et al.</i> , "Characterization of mutationally..." <i>Journal of Bacteriology</i> 137 (1):129-136, 1979. ✓
	AR	Swedberg <i>et al.</i> , "Sulfonamide Resistance in..." <i>Antimicrobial Agents and Chemotherapy</i> 42 (5):1062-1067, 1998. ✓
	AS	Viswanathan <i>et al.</i> , "Kinetic Characterization of..." <i>Journal of Bacteriology</i> 177 (20):5918-5923, 1995. ✓
	AT	Xiao <i>et al.</i> , "Crystal Structure of..." <i>Structure</i> 7 :489-496, 1999. ✓

Examiner Signature 	Date Considered 2/4/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 06286-292001	Application No. 09/925,824
	Applicant Christopher K. Murphy			
	Filing Date August 9, 2001		Group Art Unit 1615	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>W</i>	AU	Zimmerman <i>et al.</i> , "Inhibitors of Folate..." <i>Journal of Medicinal Chemistry</i> 20(9):1213-15, 1977.
<i>W</i>	AV	GenBank Accession No. L47709, August 9, 2000

Examiner Signature <i>M. J. V. 1</i>	Date Considered 2/1/05
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 Substitute Form PTO-1449
(Modified)

 U.S. Department of Commerce
Patent and Trademark Office

 Attorney's Docket No.
15132-292001

 Application No.
09/925,824

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

 Applicant
Christopher K. Murphy

 Filing Date
August 9, 2001

 Group A
1615

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,153,381	11/28/2000	Rothstein	435	6	
	AB						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>W</i>	AC	0 200 252 A1	12/10/1986	EP				
<i>W</i>	AD	WO 01/48248 A2	07/05/2001	PCT				

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<i>W</i>	AE	Baigori et al., "Isolation and Characterization of <i>Bacillus subtilis</i> Mutants Blocked in the Synthesis of Pantothenic Acid," JOURNAL OF BACTERIOLOGY 173(13):4240-4242 (July 1991)
<i>W</i>	AF	Huang et al., "Protein Expression in Response to Folate Stress in <i>Escherichia coli</i> ," JOURNAL OF BACTERIOLOGY 179(17):5648-5653 (September 1997)
<i>W</i>	AG	Kunst et al., "The complete genome sequence of the Gram-positive bacterium <i>Bacillus subtilis</i> ," NATURE 390:249-256 + tables A-O (November 20, 1997)
<i>W</i>	AH	Kurtov et al., "The <i>Aspergillus nidulans panB</i> gene encodes ketopantoate hydroxymethyltransferase, required for biosynthesis of pantothenate and Coenzyme A," MOL. GEN. GENET. 262:115-120 (1999)
<i>W</i>	AI	Quinlivan et al., "Mechanism of the antimicrobial drug trimethoprim revisited," THE FASEB JOURNAL 14:2519-2524 (December 2000)
<i>W</i>	AJ	Sahm et al., "D-Pantothenate Synthesis in <i>Corynebacterium glutamicum</i> and Use of <i>panBC</i> and Genes Encoding L-Valine Synthesis for D-Pantothenate Overproduction," APPLIED AND ENVIRONMENTAL MICROBIOLOGY 65(5):1973-1979 (May 1999)
<i>W</i>	AK	Wilson et al., "Exploring drug-induced alterations in gene expression in <i>Mycobacterium tuberculosis</i> by microarray hybridization," PNAS 96(22):12833-12838 (October 26, 1999)
	AL	
	AM	

Examiner Signature

M. J. Vogel

Date Considered

2/4/05

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